BOOK CHAPTER

THE BODY

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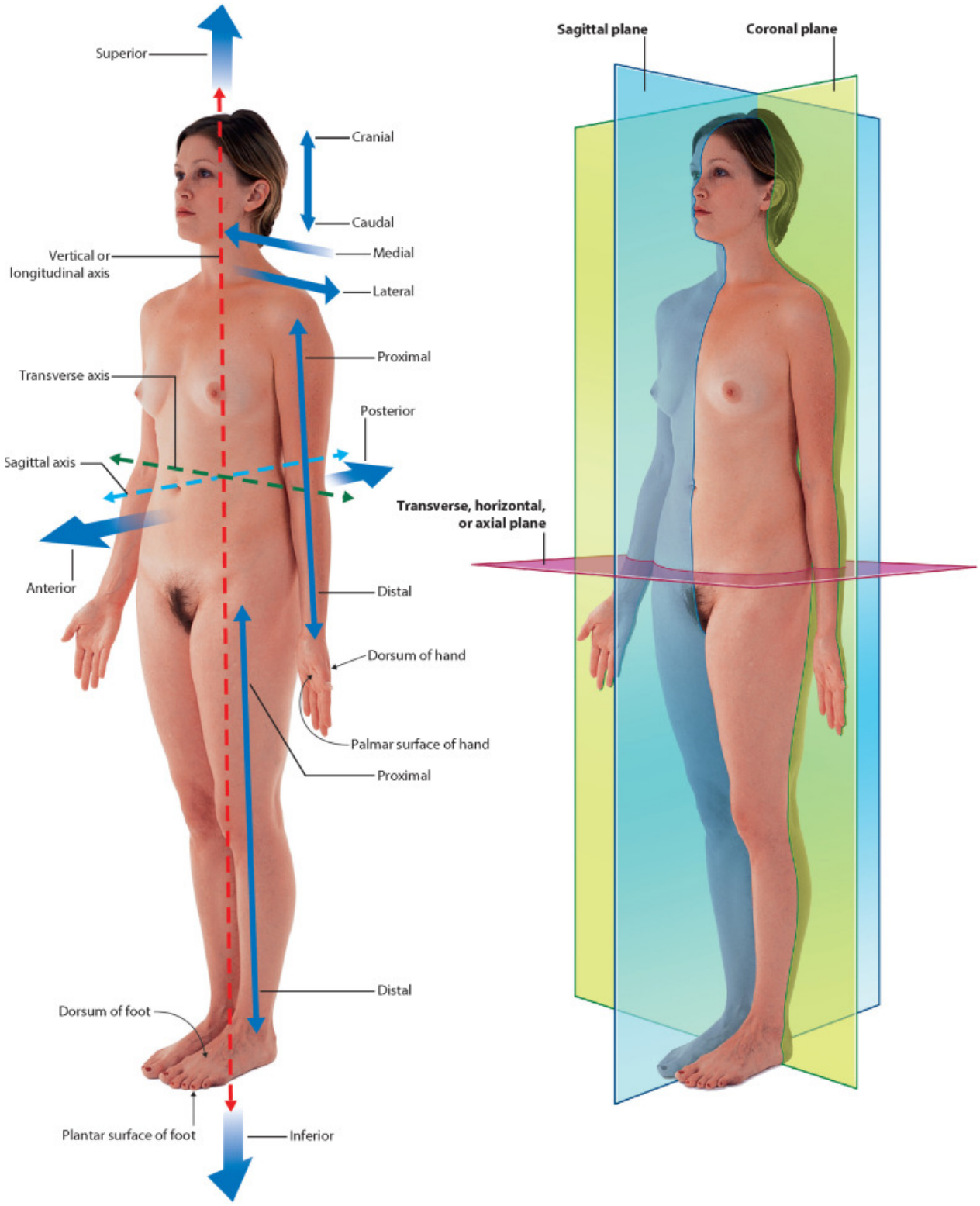
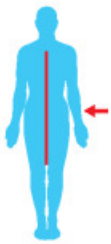
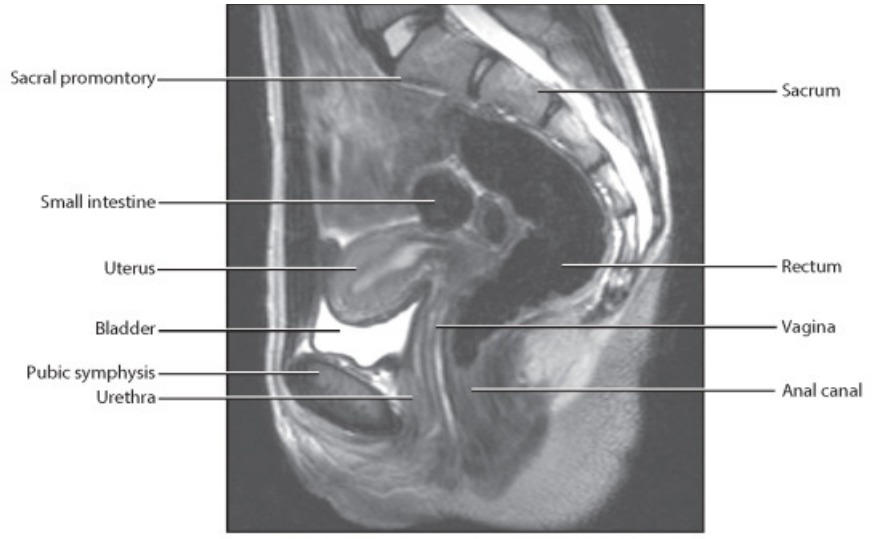
Gray's Atlas of Anatomy, 1, 1-18

Anatomical position, terms, and planes

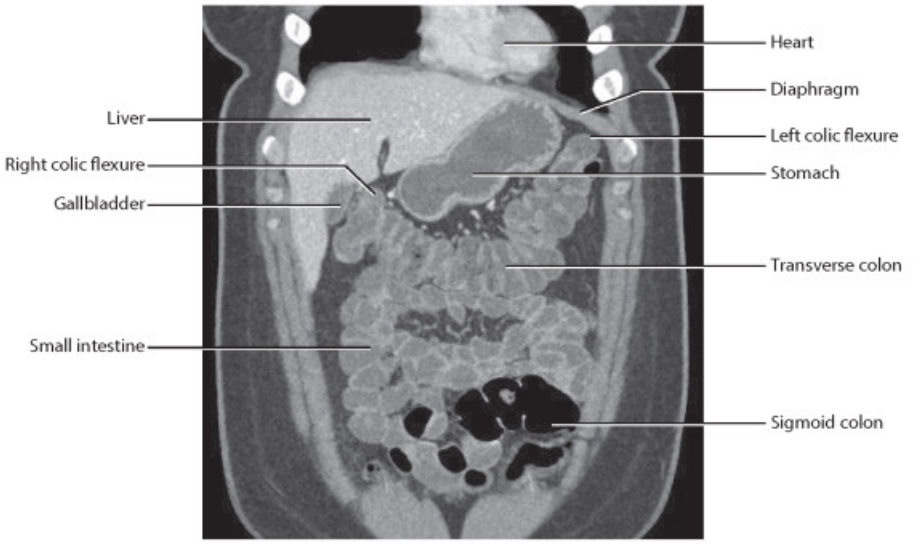


Anatomical planes and imaging

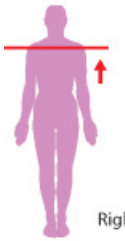


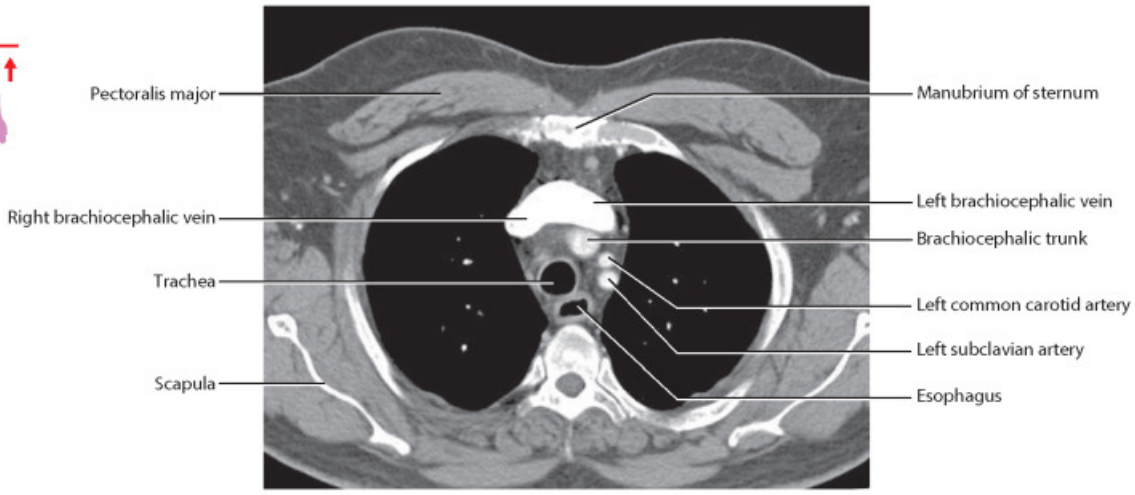


T2-weighted MR image, in sagittal plane



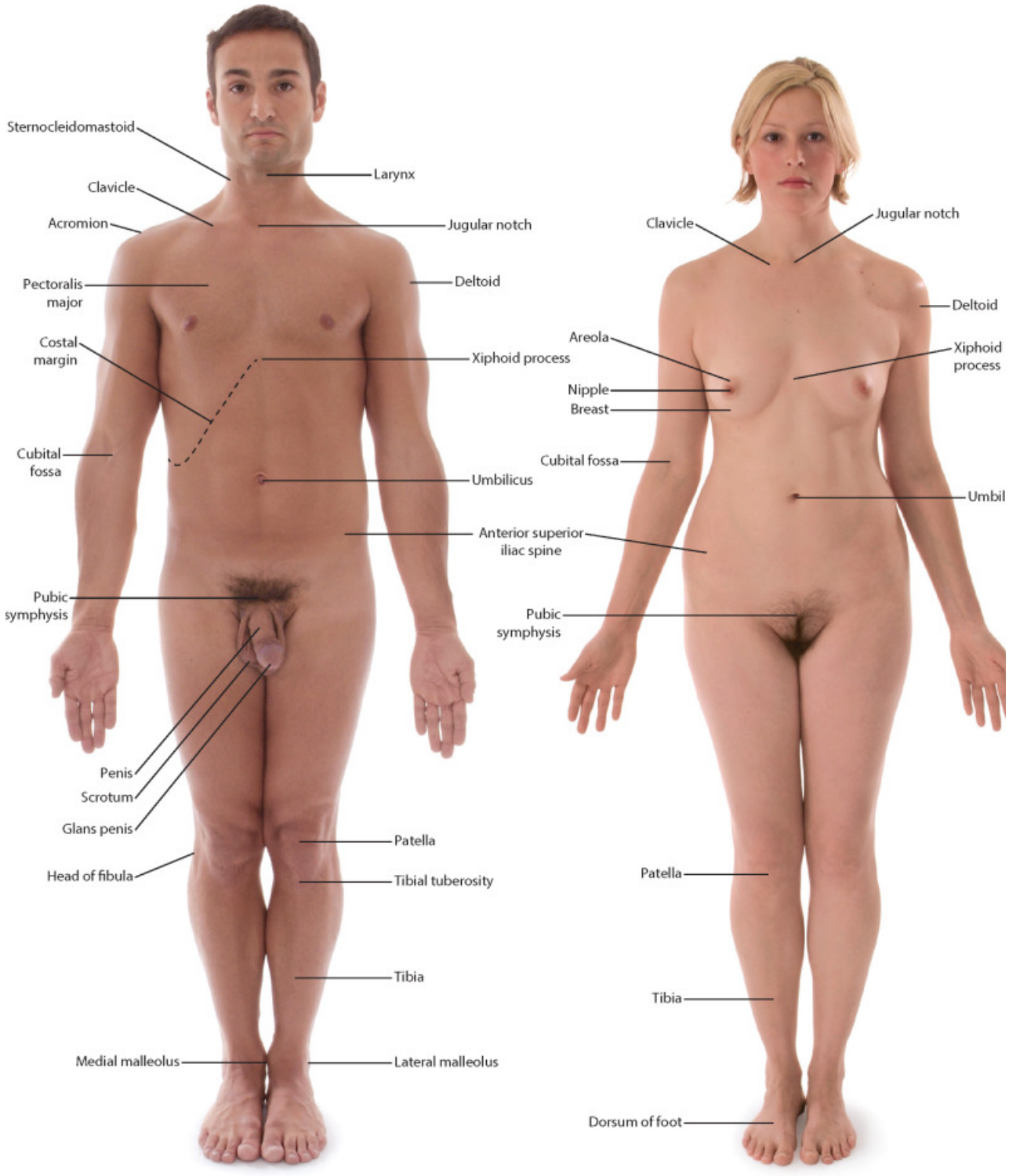
CT image, with contrast, in coronal plane



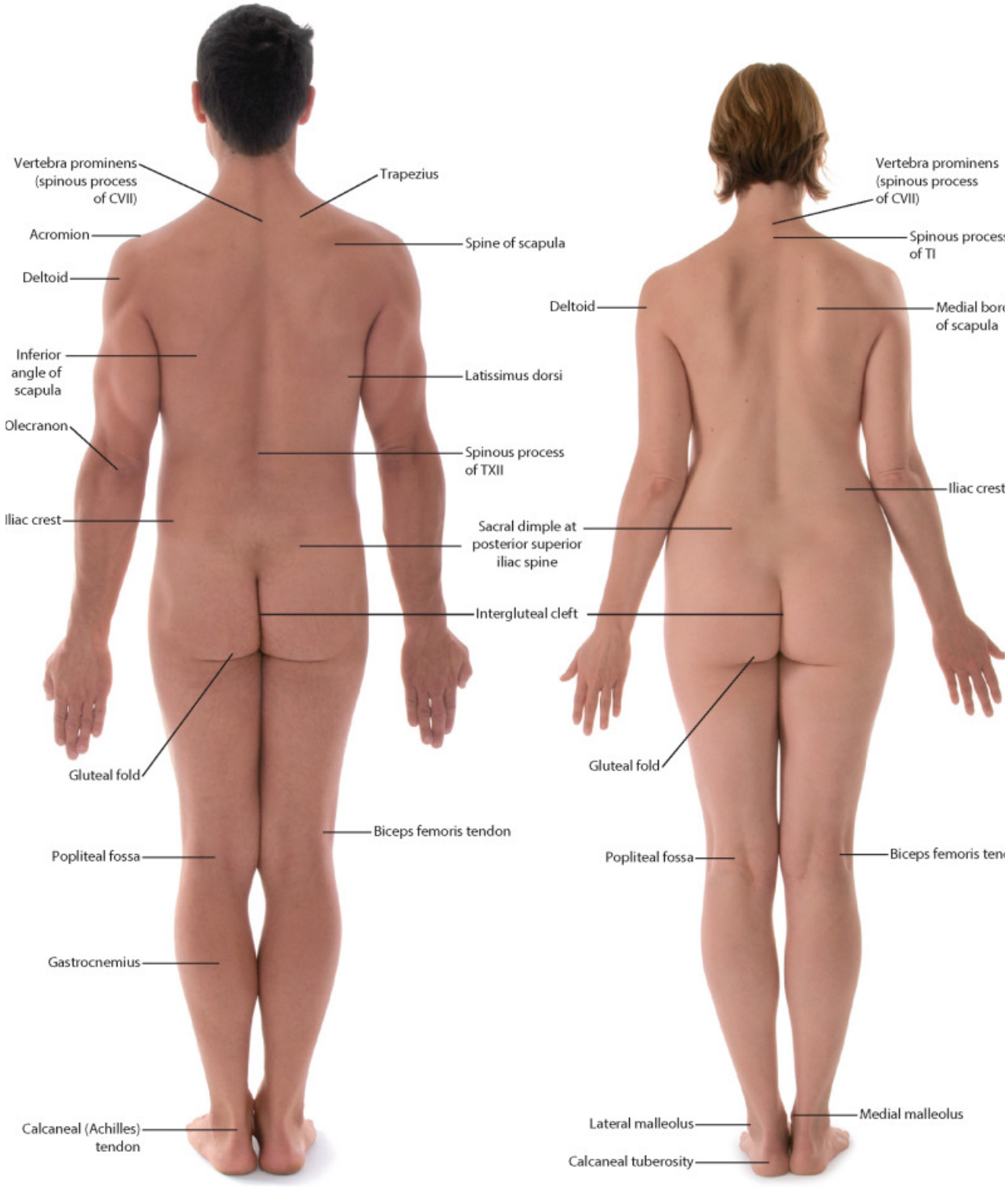


CT image, with contrast, in axial plane

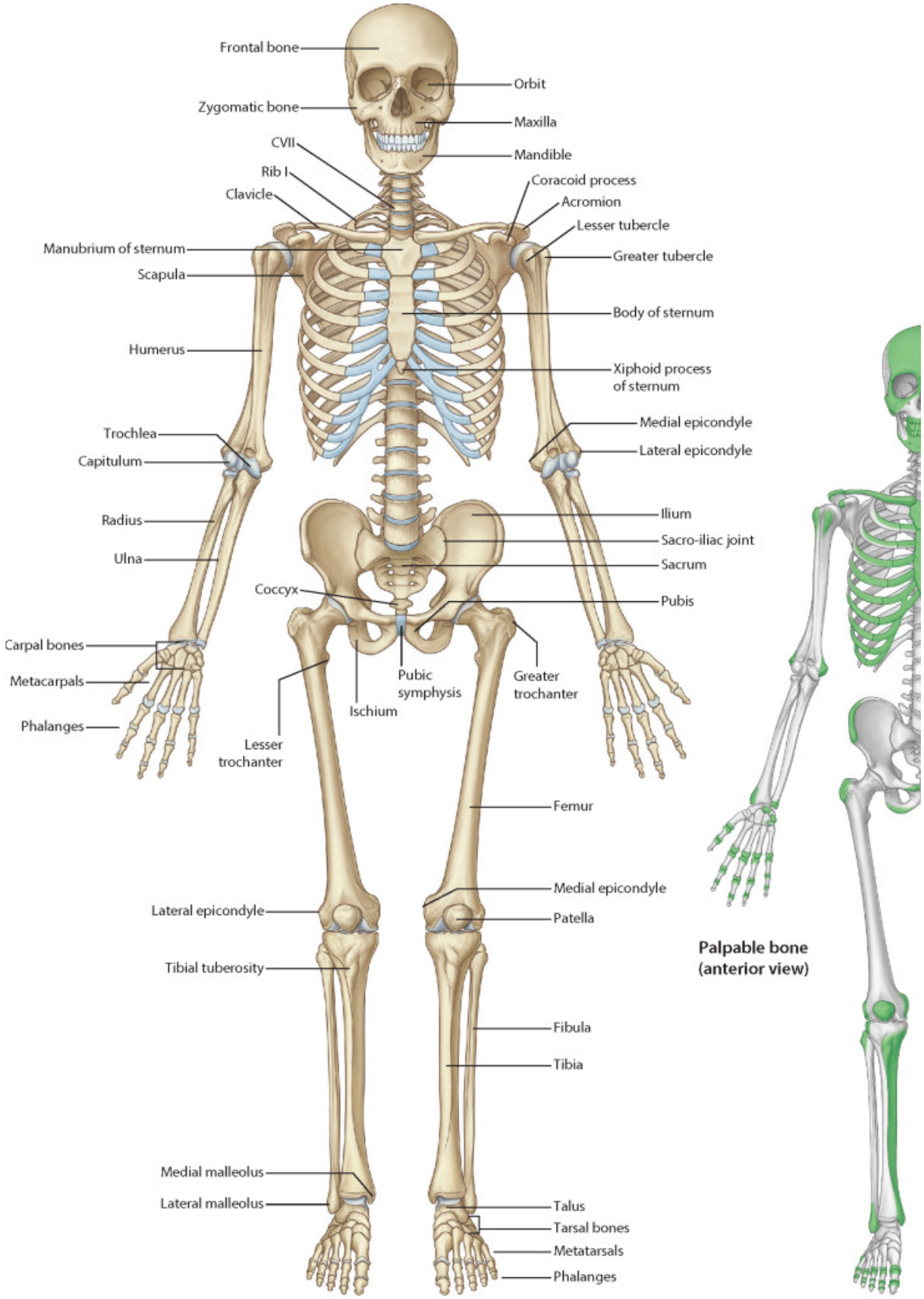
Surface anatomy: anterior view



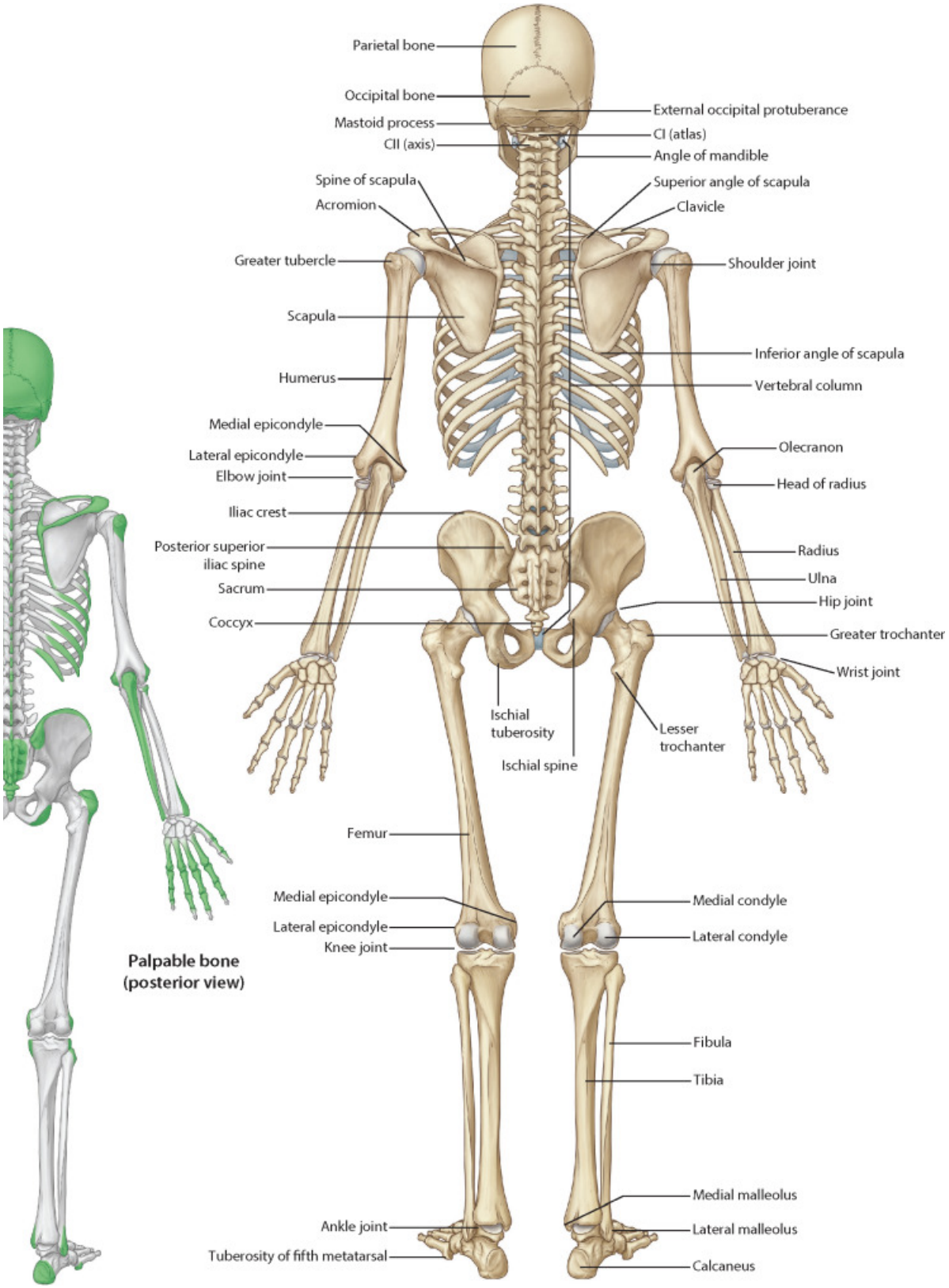
Surface anatomy: posterior view



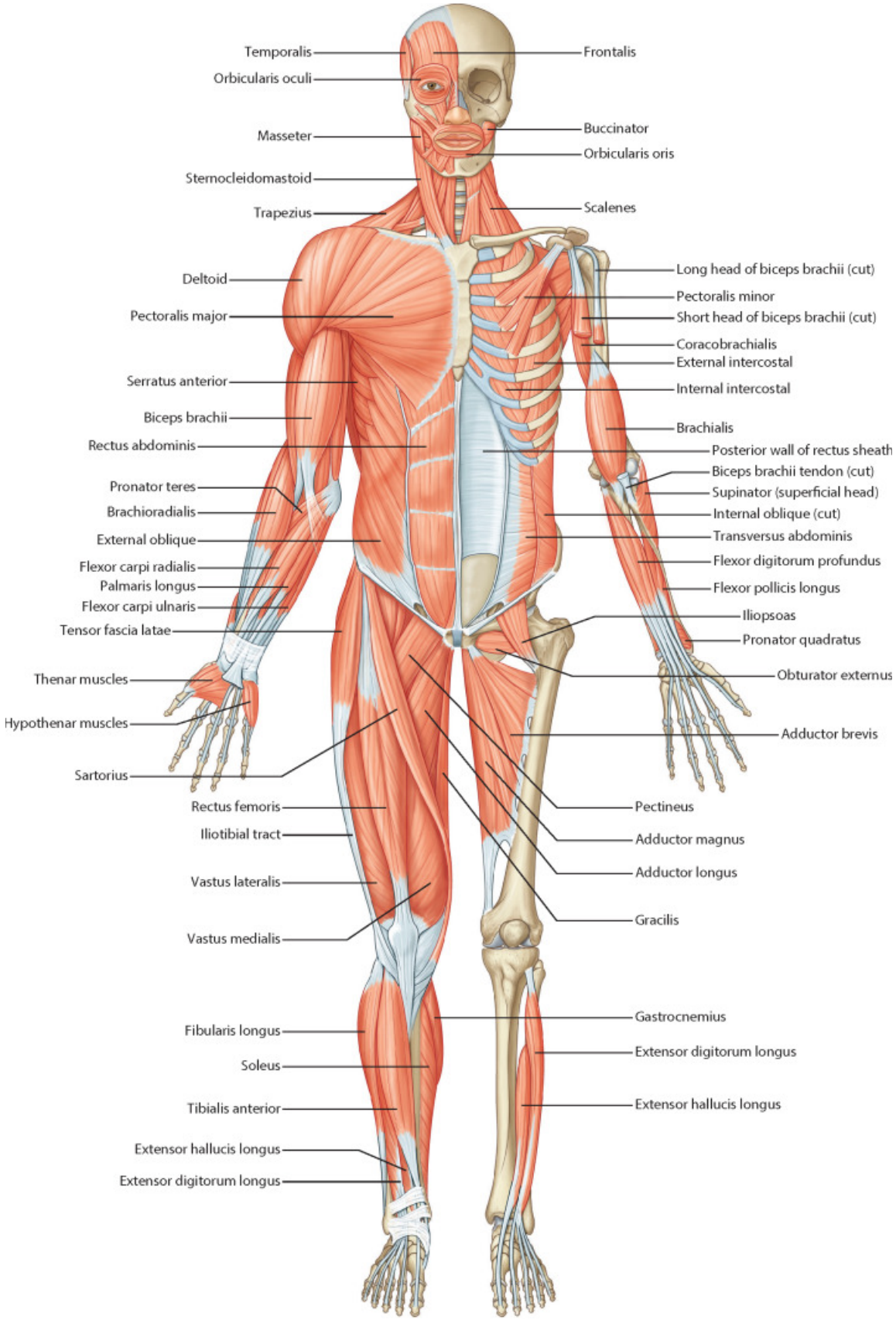
Skeleton: anterior



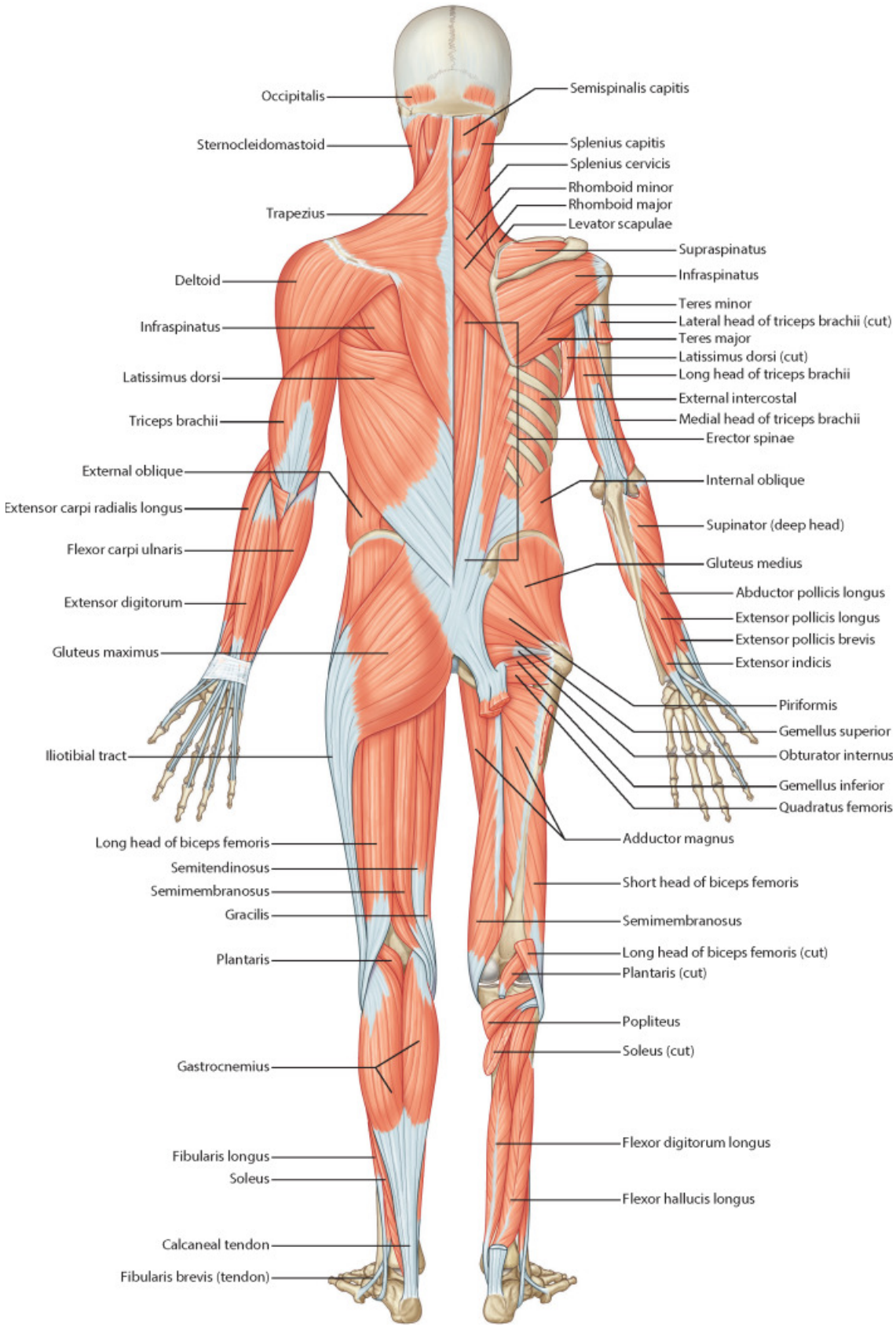
Skeleton: posterior



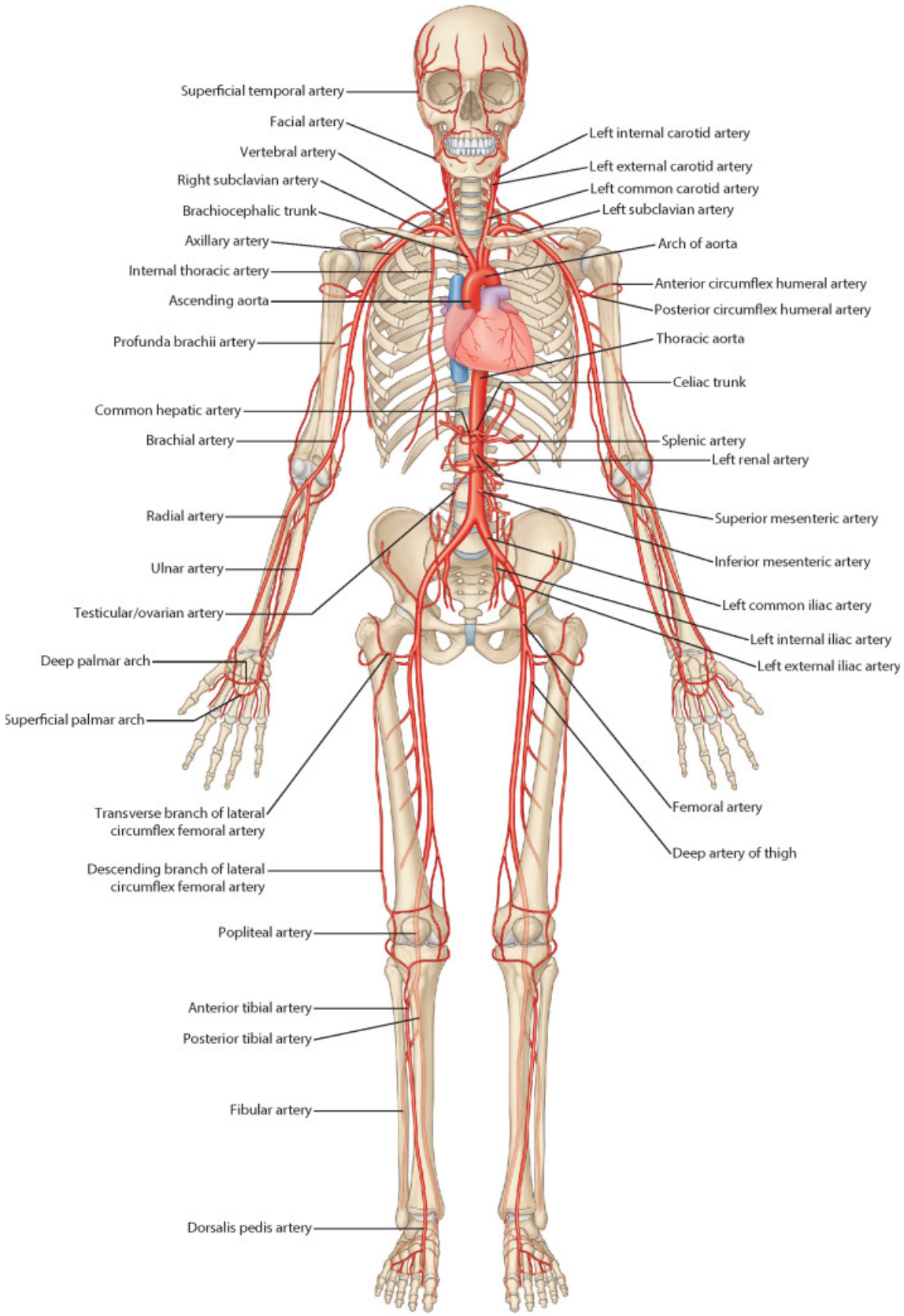
Muscles: anterior


Temporalis
Orbicularis oculi
Masseter
Sternocleidomastoid
Trapezius
Deltoid
Pectoralis major
Serratus anterior
Biceps brachii
Rectus abdominis
Pronator teres
Brachioradialis
External oblique
Flexor carpi radialis
Palmaris longus
Flexor carpi ulnaris
Tensor fascia latae
Thenar muscles
Hypothenar muscles
Sartorius
Rectus femoris
Iliotibial tract
Vastus lateralis
Vastus medialis
Fibularis longus
Soleus
Tibialis anterior
Extensor hallucis longus
Extensor digitorum longus
Frontalis
Buccinator
Orbicularis oris
Scalenes
Long head of biceps brachii (cut)
Pectoralis minor
Short head of biceps brachii (cut)
Coracobrachialis
External intercostal
Internal intercostal
Brachialis
Posterior wall of rectus sheath
Biceps brachii tendon (cut)
Supinator (superficial head)
Internal oblique (cut)
Transversus abdominis
Flexor digitorum profundus
Flexor pollicis longus
Iliopsoas
Pronator quadratus
Obturator externus
Adductor brevis
Pectineus
Adductor magnus
Adductor longus
Gracilis
Gastrocnemius
Extensor digitorum longus
Extensor hallucis longus

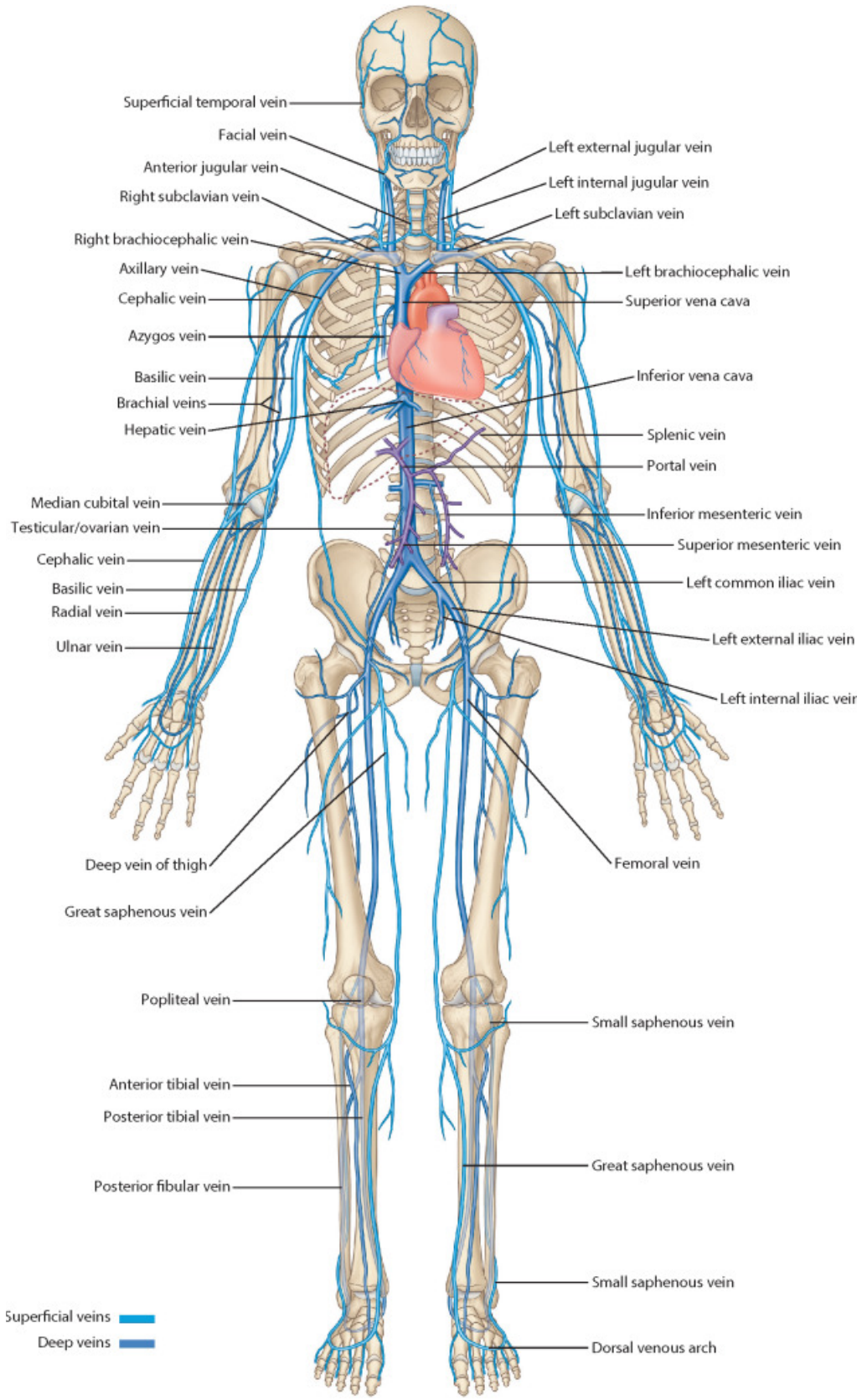
Muscles: posterior



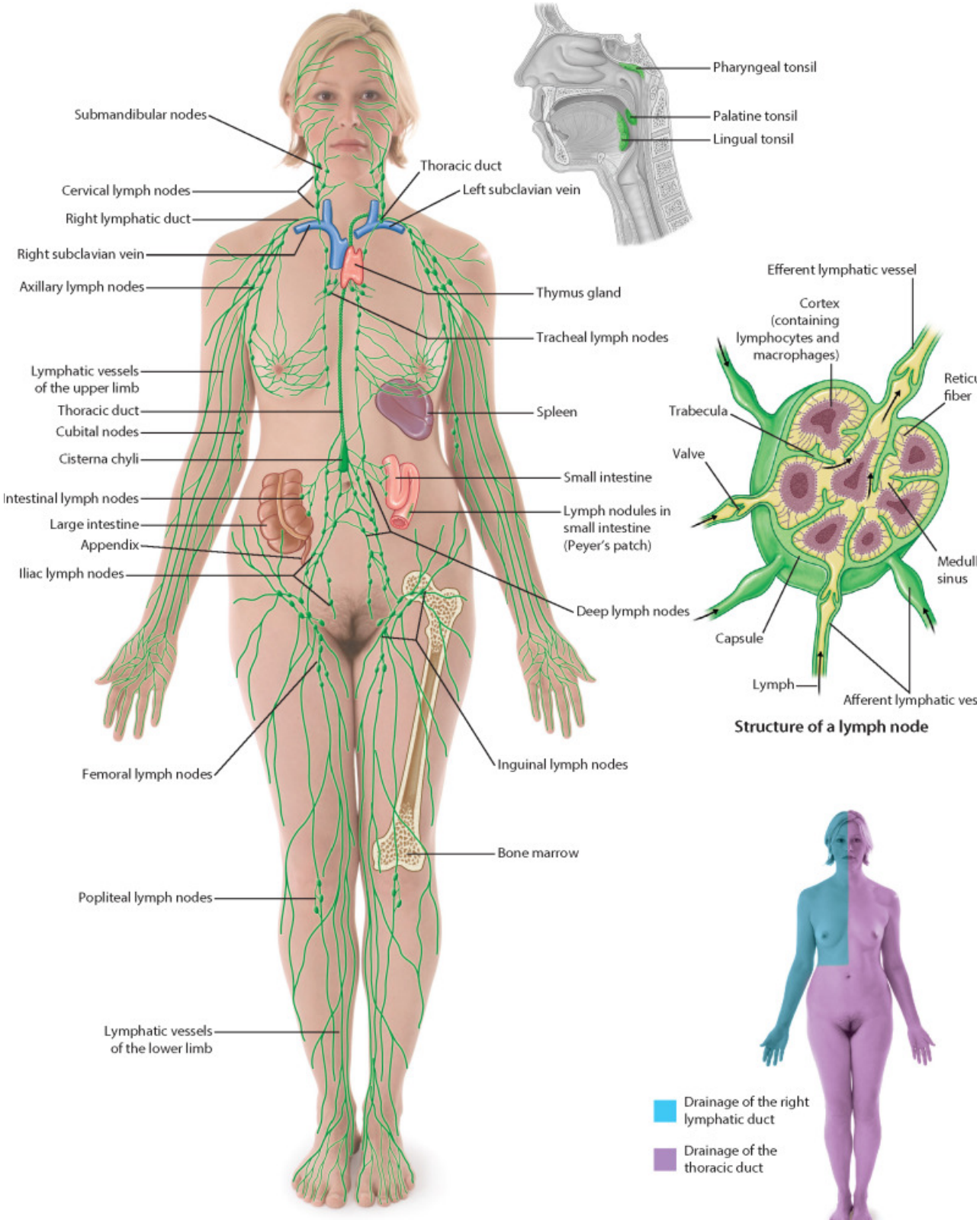
Vascular system: arteries



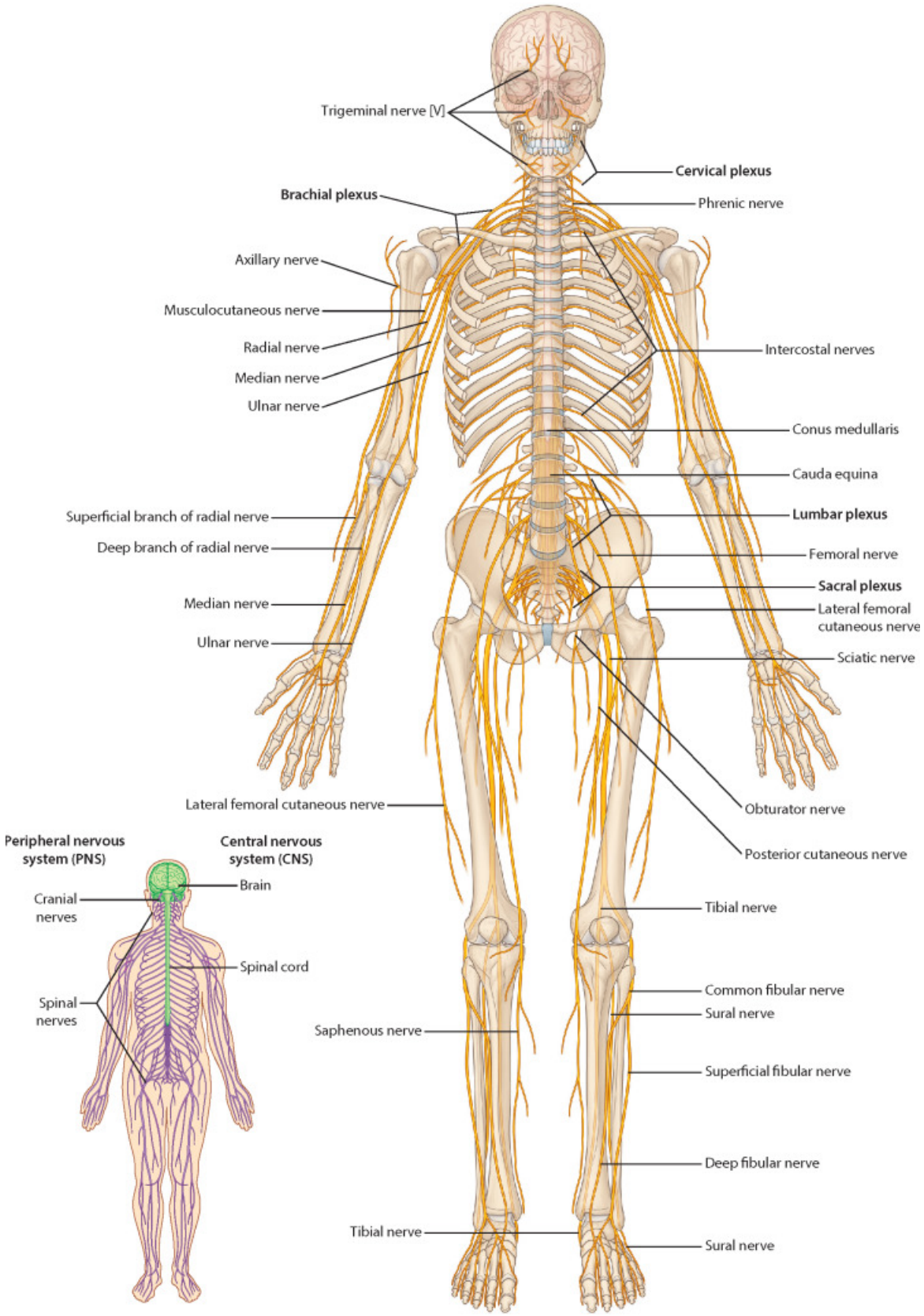
Vascular system: veins



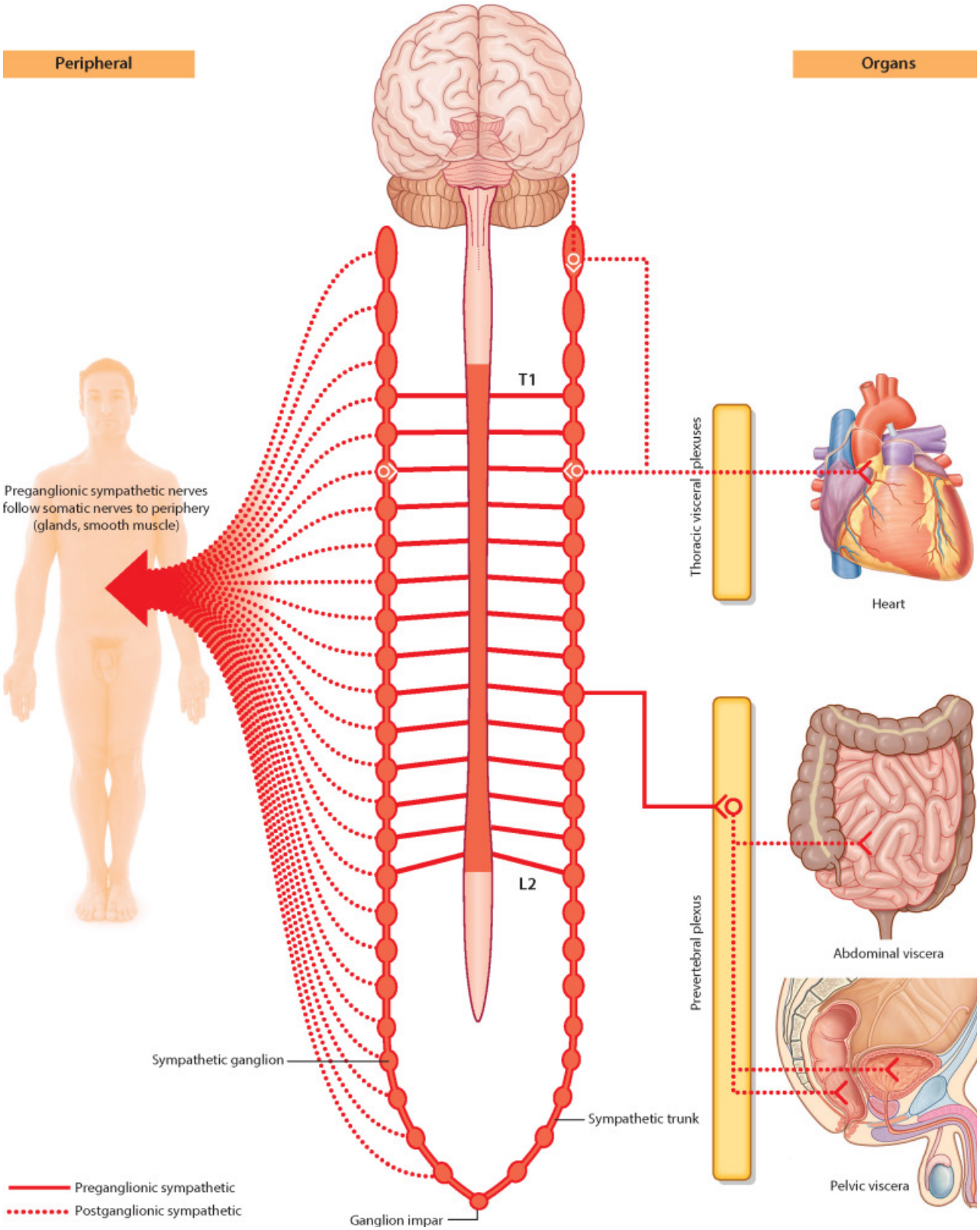
Lymphatic system



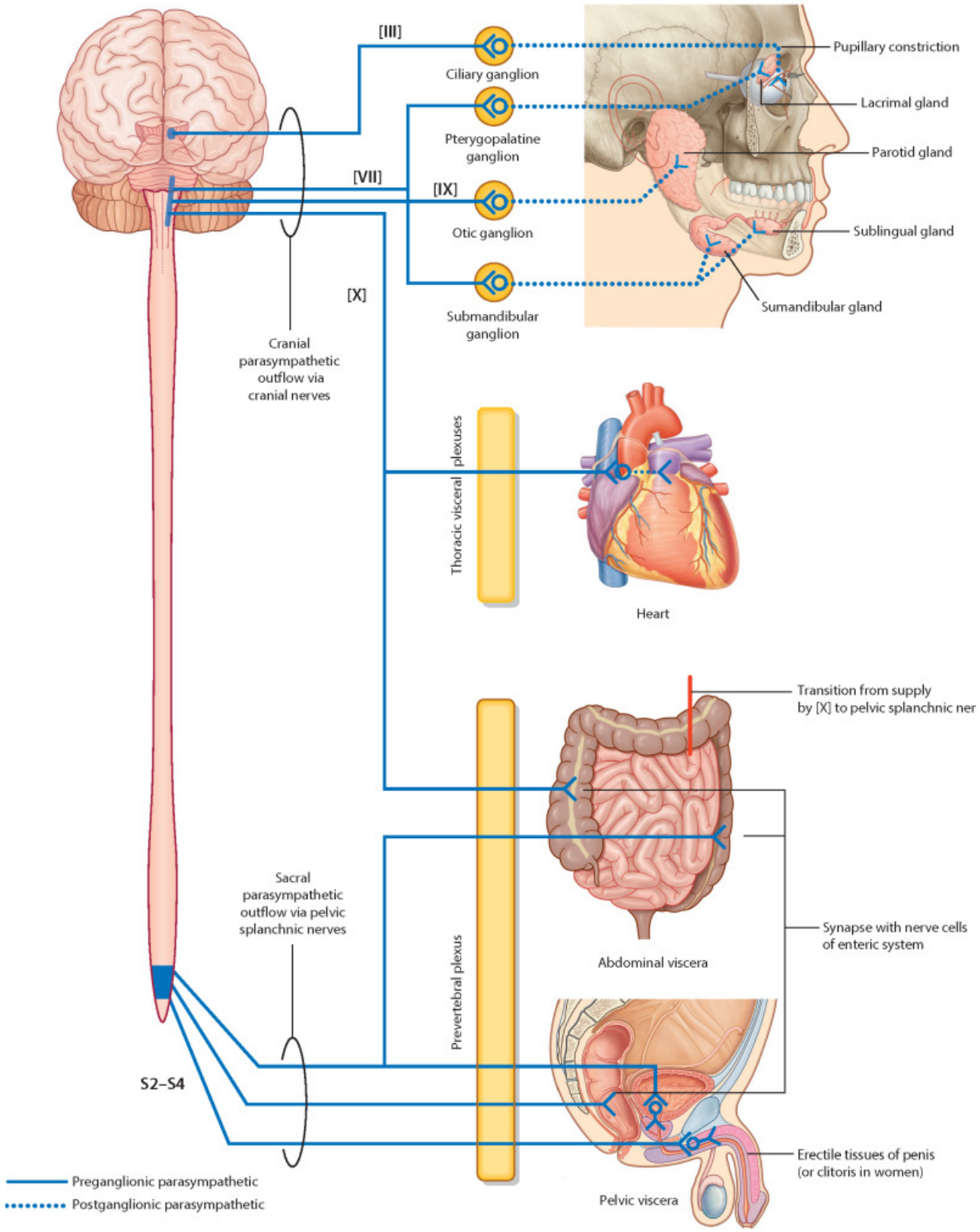
Nervous system



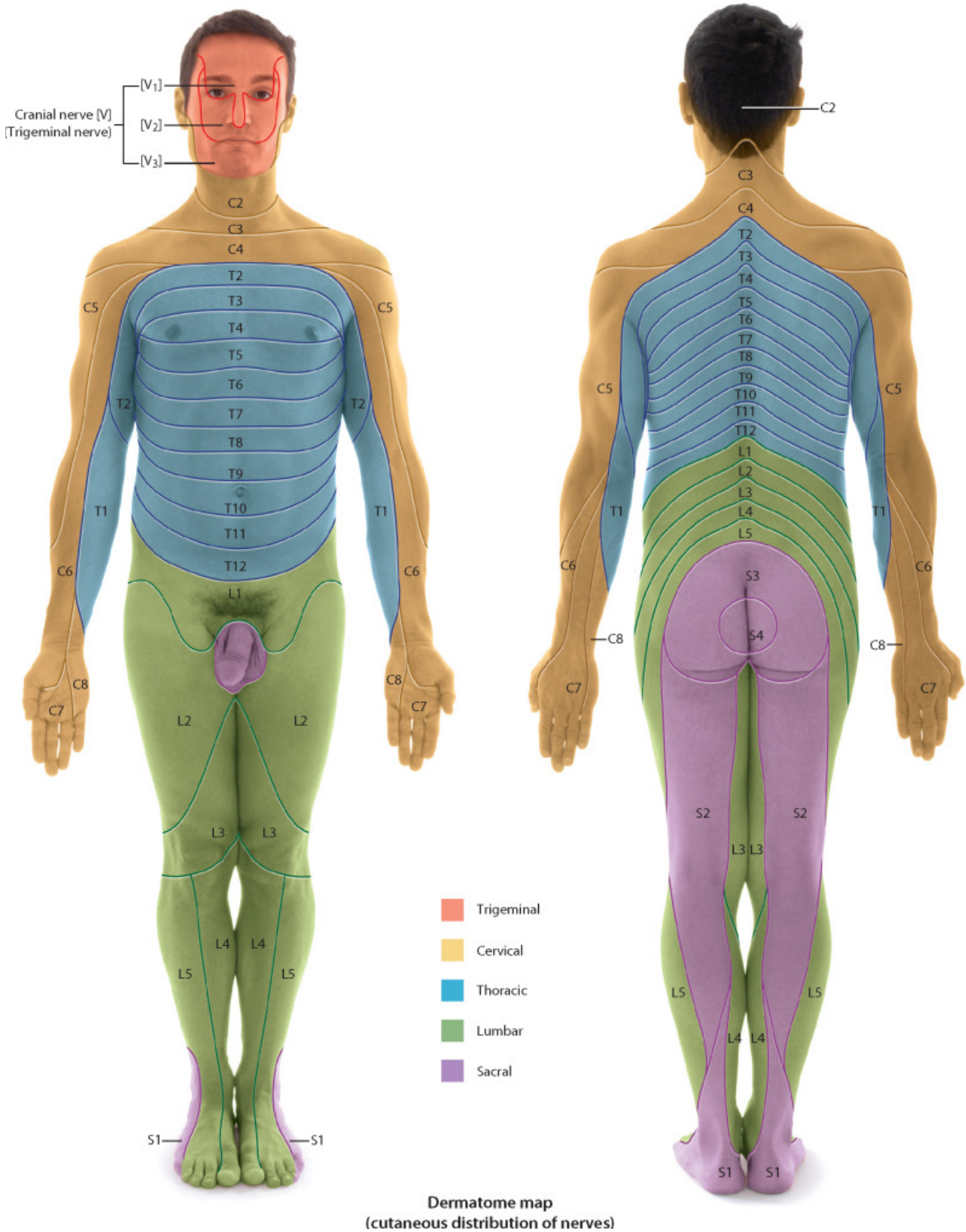
Sympathetics



Parasympathetics

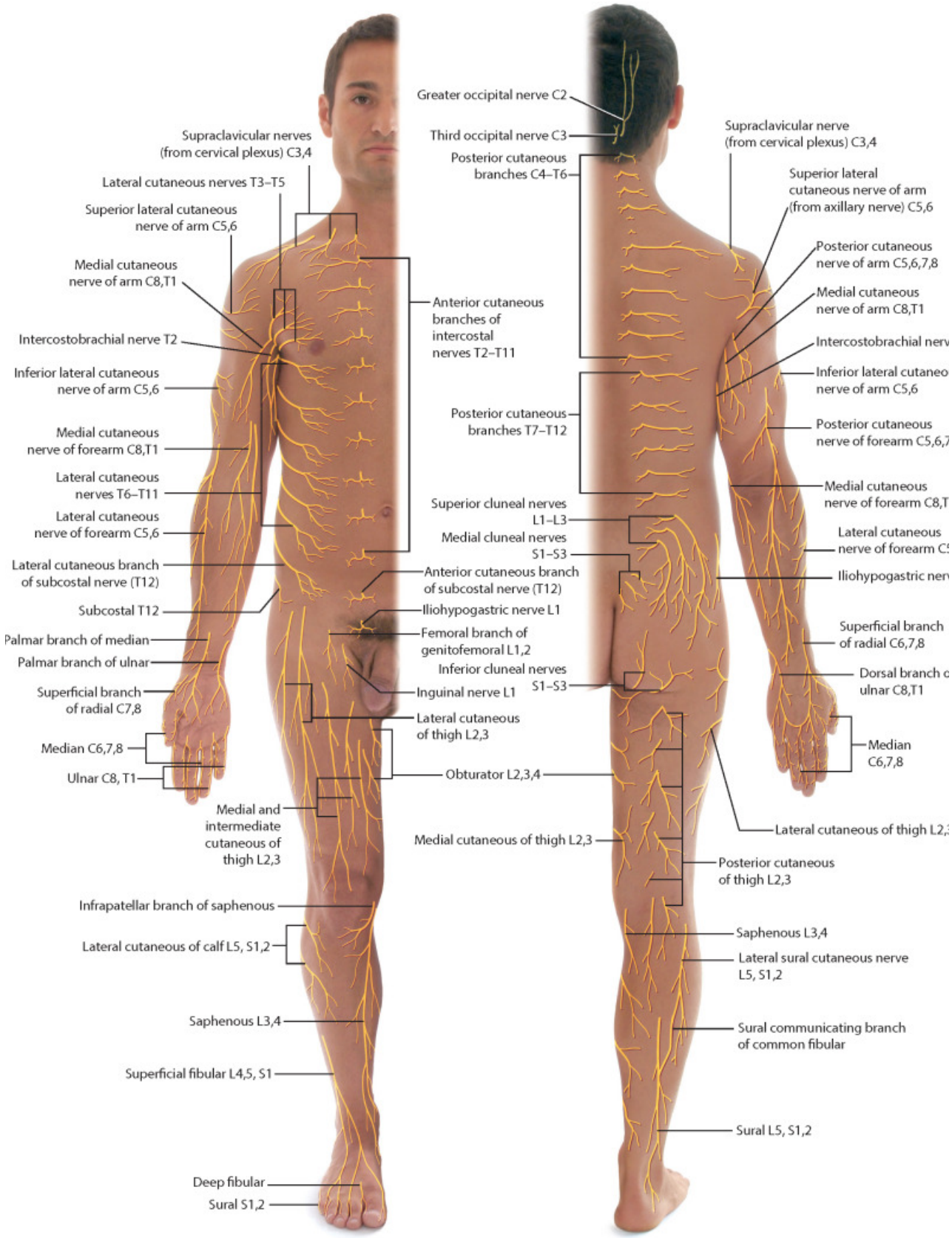

[III]
Ciliary ganglion
Pterygopalatine ganglion
[VII]
[IX]
Otic ganglion
Submandibular ganglion
[X]
Cranial parasympathetic outflow via cranial nerves
Pupillary constriction
Lacrimal gland
Parotid gland
Sublingual gland
Sumandibular gland
Thoracic visceral plexuses
Heart
Transition from supply by [X] to pelvic splanchnic ner
Sacral parasympathetic outflow via pelvic splanchnic nerves
Prevertebral plexus
Abdominal viscera
Synapse with nerve cells of enteric system
S2–S4
Erectile tissues of penis (or clitoris in women)
Pelvic viscera
Preganglionic parasympathetic
Postganglionic parasympathetic

Dermatomes



Dermatome map
(cutaneous distribution of nerves)

Cutaneous nerves


Supraclavicular nerves (from cervical plexus) C3,4
Lateral cutaneous nerves T3–T5
Superior lateral cutaneous nerve of arm C5,6
Medial cutaneous nerve of arm C8,T1
Intercostobrachial nerve T2
Inferior lateral cutaneous nerve of arm C5,6
Medial cutaneous nerve of forearm C8,T1
Lateral cutaneous nerves T6–T11
Lateral cutaneous nerve of forearm C5,6
Lateral cutaneous branch of subcostal nerve (T12)
Subcostal T12
Palmar branch of median
Palmar branch of ulnar
Superficial branch of radial C7,8
Median C6,7,8
Ulnar C8, T1
Medial and intermediate cutaneous of thigh L2,3
Infrapatellar branch of saphenous
Lateral cutaneous of calf L5, S1,2
Saphenous L3,4
Superficial fibular L4,5, S1
Deep fibular
Sural S1,2
Anterior cutaneous branches of intercostal nerves T2–T11
Greater occipital nerve C2
Third occipital nerve C3
Posterior cutaneous branches C4–T6
Posterior cutaneous branches T7–T12
Superior cluneal nerves L1–L3
Medial cluneal nerves S1–S3
Anterior cutaneous branch of subcostal nerve (T12)
Iliohypogastric nerve L1
Femoral branch of genitofemoral L1,2
Inferior cluneal nerves S1–S3
Inguinal nerve L1
Lateral cutaneous of thigh L2,3
Obturator L2,3,4
Medial cutaneous of thigh L2,3
Supraclavicular nerve (from cervical plexus) C3,4
Superior lateral cutaneous nerve of arm (from axillary nerve) C5,6
Posterior cutaneous nerve of arm C5,6,7,8
Medial cutaneous nerve of arm C8,T1
Intercostobrachial nerv
Inferior lateral cutaneo nerve of arm C5,6
Posterior cutaneous nerve of forearm C5,6,7
Medial cutaneous nerve of forearm C8,T
Lateral cutaneous nerve of forearm C5
Iliohypogastric ner
Superficial branch of radial C6,7,8
Dorsal branch o ulnar C8,T1
Median C6,7,8
Lateral cutaneous of thigh L2,3
Posterior cutaneous of thigh L2,3
Saphenous L3,4
Lateral sural cutaneous nerve L5, S1,2
Sural communicating branch of common fibular
Sural L5, S1,2

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